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LIP SEALING DEVICE FOR TURBOCHARGER

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ABSTRACT

PURPOSE: To obtain a high sealing performance and also aim at reduction of the cost of manufacture by providing a retainer, through which the turbine shaft of a turbocharger penetrates, with a lip, coming into contact with the turbine shaft.

CONSTITUTION: A retainer 1, which is attached to the housing of a turbocharger so as to constitute a part thereof, partitions a compressor chamber 2 on its left side and a **bearing** chamber 3 on its right side together with the housing. In the central part of the retainer 1 is provided a through hole 4, into which a turbine **shaft** 5 penetrates and extends, and at the same time, on the **bearing** chamber 3 side end face of the retainer 1 is provided a cylindrical recessed part 6 coaxially with the through hole 4. And then, into the recessed part 6 is pressed a cylindrical spacer 7 so that it is fixed there and caused to hold the outer periphery part of a **lip** 8. The inner periphery part of the **lip** 8 is curved towards the **bearing** chamber 3 side so as to come in sliding contact with the outer periphery surface of the turbine **shaft** 5 so that a high **sealing** effect can be obtained.

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